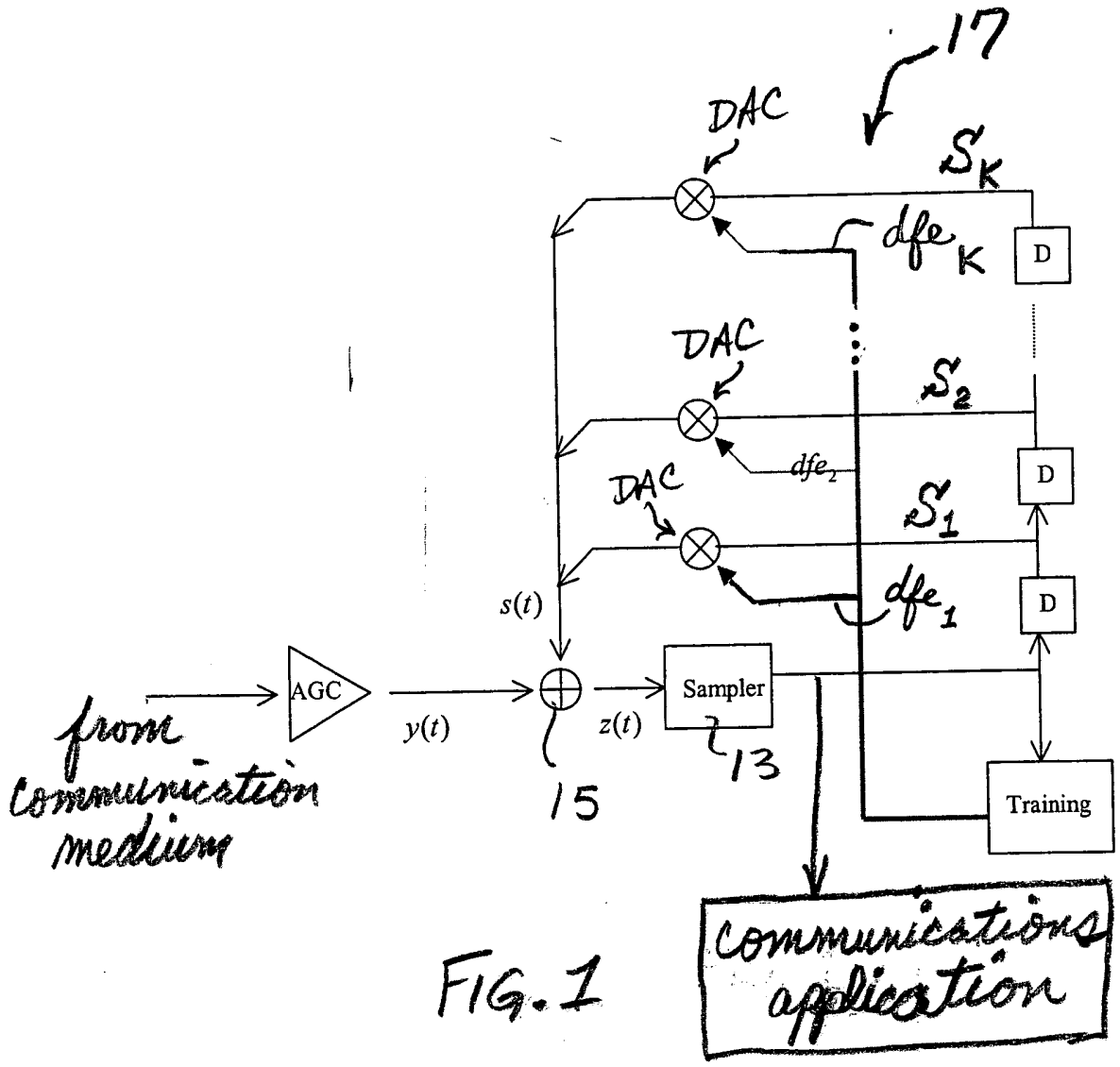
17
DAC
S_K
dfe_K
D
DAC
S_2
dfe_2
D
DAC
S_1
dfe_1
D
$s(t)$
AGC
$y(t)$
$z(t)$
Sampler
13
15
Training
from communication medium
communications application

FIG. 1

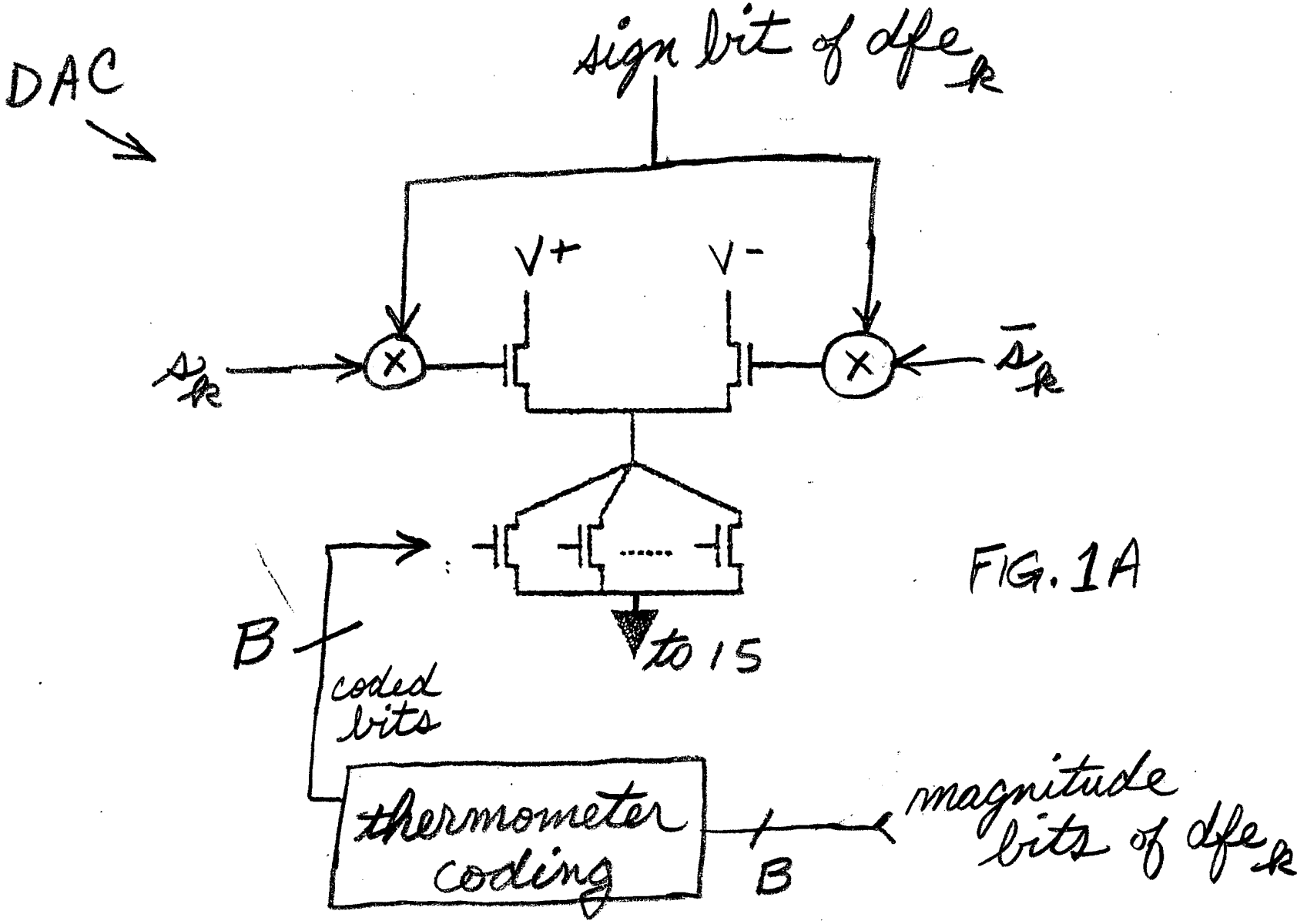
DAC
sign bit of dfe_k
V+
V-
to 15
B
coded bits
thermometer coding
B
magnitude bits of dfe_k

FIG. 1A

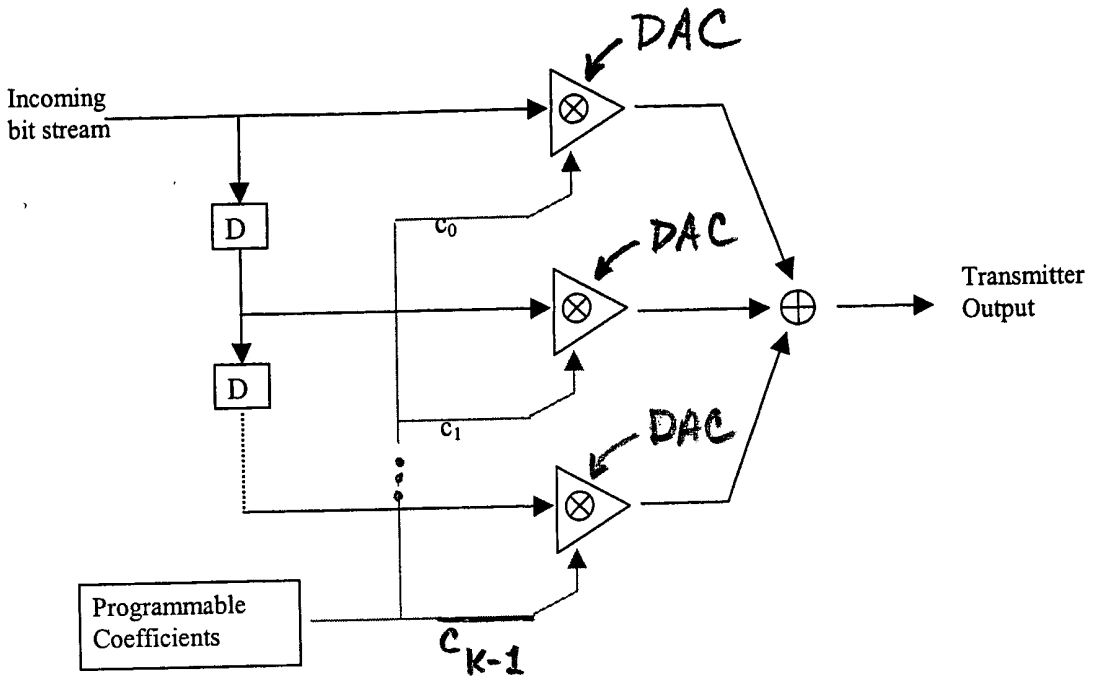
DAC
Incoming
bit stream
D
D
c_0
c_1
DAC
DAC
Transmitter
Output
Programmable
Coefficients
c_{K-1}

FIG. 2

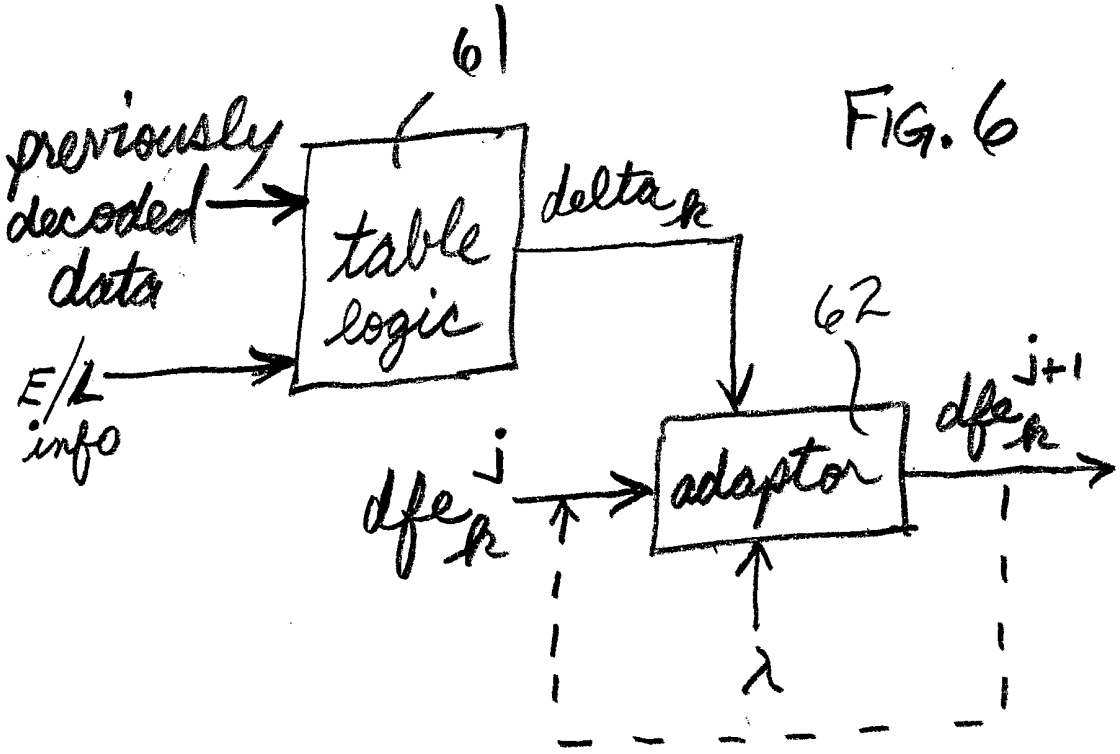
61
previously
decoded
data
E/L
info
table
logic
delta$_k$
62
adaptor
dfe$_k^j$
dfe$_k^{j+1}$
λ

FIG. 6

data[m-k-1,m-k,m-1,m]	E/L	$Z_{m-1/2}$	delta
0001	E	-1	1
	L	1	-1
0010	L	-1	1
	E	1	-1
1101	L	1	1
	E	-1	-1
1110	E	1	1
	L	-1	-1

FIG. 3

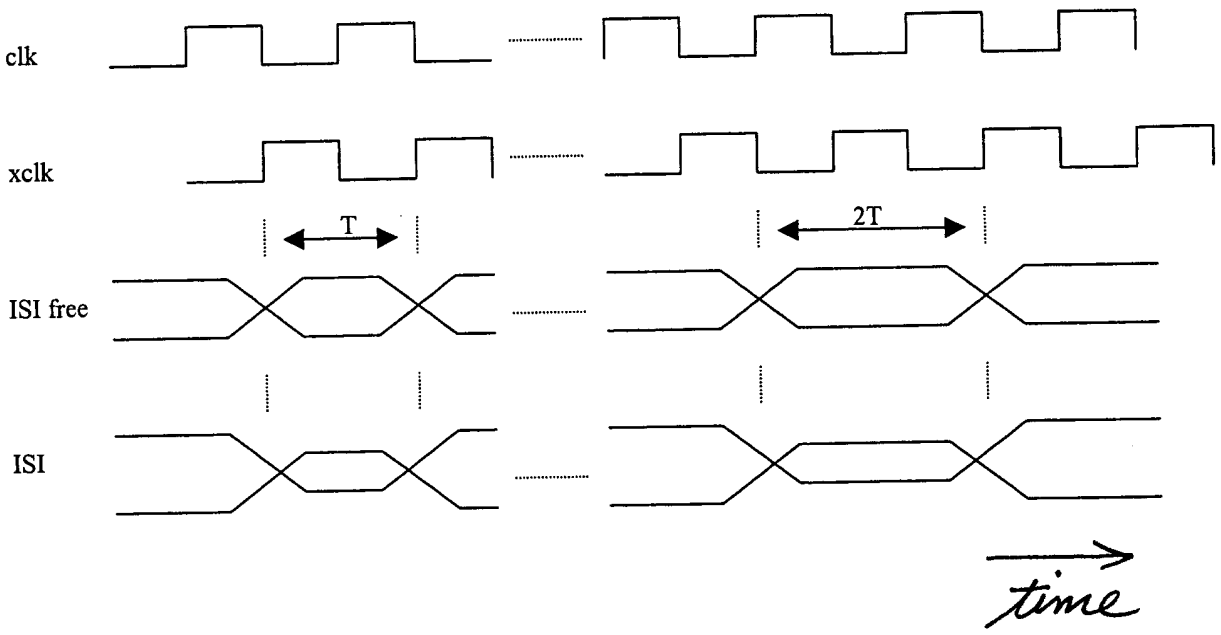

FIG. 4

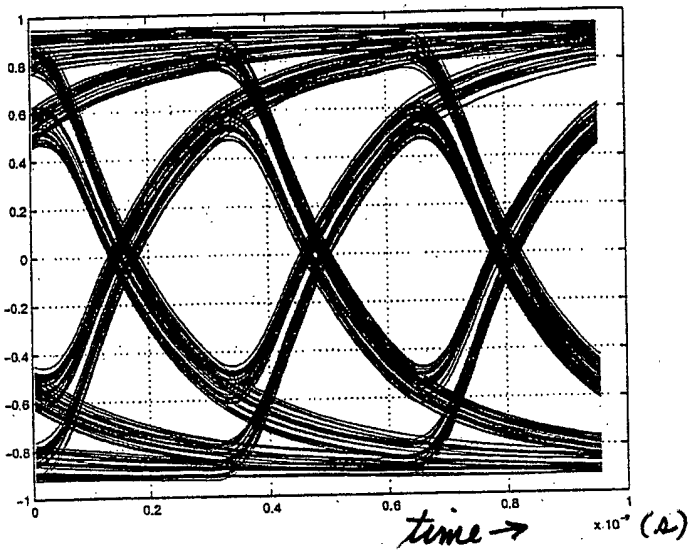

FIGURE 5A

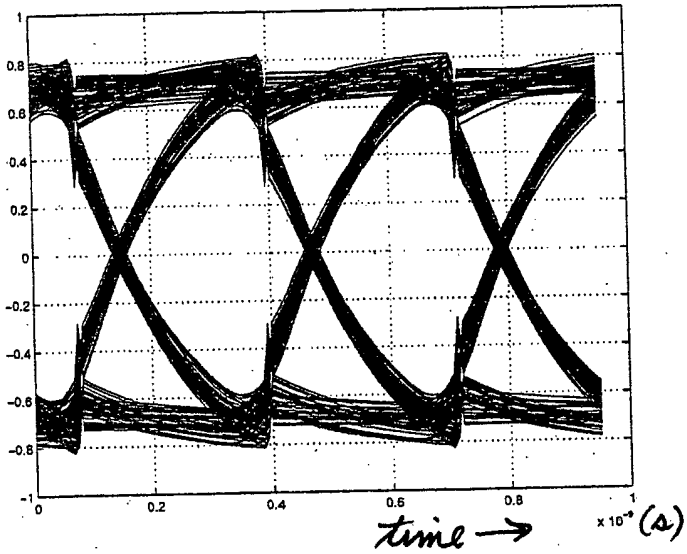

FIGURE 5B

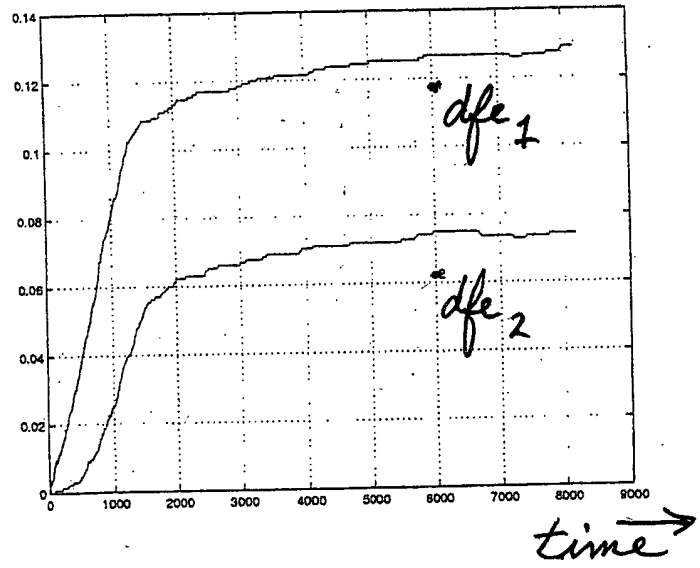

FIGURE 5C